Nixon & Vanderhye P.C. (10/99) (Domestic Non-Assigned/Foreign)

RULE 63 (37 C.F.R. 1.63) DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

			VACUUM CLEANER				
	cation of which (check ap	oplicable box(s)):		······································			
	ittached hereto						
☐ wa	s filed on		as U.S. Application Serial	No.		(Atty Dk	d. No.
⊠ wa	s filed as PCT Internationa	al application No.	PCT/JP01/06758	on Au	gust 6, 200	01	
_		plication) was amended on			,		····
I hereby s	tate that I have reviewed a	and understand the contents	of the above identified specificati	on, including the d	laims, as	amended by	any amendment
			n which is material to the patenta				
			of any foreign application(s) for pa partificate having a filing date befor				
	claimed, before the filing of		simicate having a ming date belon	e mat of the appli	Jacion on v	which priority	is claimed or, if no
	reign Application(s):	·				•	•
	on Number		Country			Dag	y/Month/Year Filed
2000-240			<u>Japan</u>				09/08/2000
Applicati	on Number		Country			Da	y/Month/Year Filed
							
#1 47 1;							
		U.S.C. §119(e) of any United	d States provisional application(s	listed below.			
Applicati	on Number		Date/Month/Year Filed				•
- Intelligence		· · · · · · · · · · · · · · · · · · ·					
			Inited States and PCT internation				
			closed in such prior applications				
		lose material information as ng date of this application:	defined in 37 C.F.R. 1.56 which	occurred between	the filing d	late of the pri	or applications and
	ar or i or international nin	ing date of this application.					
Prior U.S	./PCT Application(s):						Status: patented
Applicati	on Carial Na						
ell-proper	on senanyo.		Day/Month/Year Filed			þ	ending, abandoned
Series of the se	on senanno.		Day/Month/Year Filed			þ	ending, abandoned
	on Serial No.		Day/Month/Year Filed			P	ending, abandoned
l her eby d	leciare that all statements		wledge are true and that all state			and belief are	believed to be true;
l hereby d	leciare that all statements er that these statements w	ere made with the knowledg	wledge are true and that all stater e that willful false statements and	the like so made	are punist	and belief are	believed to be true; or imprisonment, or
I hereby d and further both, und	leclare that all statements are that these statements were Section 1001 of Title 18	vere made with the knowledg 8 of the United States Code :	wedge are true and that all stater e that wilful false statements and and that such willful false statem	the like so made ents may jeopardia	are punish e the valid	and belief are hable by fine of lity of the app	believed to be true; or imprisonment, or olication or any patent
I hereby d and further both, und issued the	leclare that all statements er that these statements were Section 1001 of Title 18 ereon. And on behalf of the	vere made with the knowledg 8 of the United States Code ne owner(s) hereof, I hereby	wledge are true and that all stater e that willful false statements and and that such willful false statem appoint NIXON & VANDERHYE	the like so made ents may jeopardia P.C., 1100 North	are punish e the valid Glebe Ro	and belief are nable by fine of lity of the app	believed to be true; or imprisonment, or olication or any patent Arlington, VA
I hereby dand further both, und issued the 22201-47 address)	leciare that all statements were that these statements were Section 1001 of Title 18 areon. And on behalf of the 14, telephone number (individually and collective)	vere made with the knowledg 8 of the United States Code ne owner(s) hereof, I hereby 703) 816-4000 (to whom al by owner's/owners' attorneys	wedge are true and that all stater e that willful false statements and and that such willful false statem appoint NIXON & VANDERHYE I communications are to be di to prosecute this application and	the like so made ents may jeopardiz P.C., 1100 North ected), and the foto transact all bus	are punishe the valid Glebe Ro Blowing attiness in the	and belief are hable by fine dity of the app 1., 8 th Floor. torneys there he Patent and	believed to be true; or imprisonment, or olication or any patent Arlington, VA of (of the same
I hereby dand turne both, und issued the 22201-47 address) connected	leclare that all statements were that these statements were Section 1001 of Title 18 areon. And on behalf of the 14, telephone number (individually and collectively of therewith and with the research	vere made with the knowledg 8 of the United States Code: ne owner(s) hereof, I hereby 703) 816-4000 (to whom al by owner's/owners' attorneys seulting patent: Arthur R. C	wledge are true and that all stater e that willful false statements and and that such willful false statem appoint <u>NIXON & VANDERHYE</u> I communications are to be dii to prosecute this application and rawford, 25327; Larry S. Nixon, 2	the like so made ents may jeopardia P.C., 1100 North ected), and the fo to transact all bus 5640; Robert A. V	are punish te the valid Glebe Ro bllowing att iness in th anderhye,	and belief are nable by fine dity of the apr d., 8 th Floor. torneys there he Patent and 27076; Jam	believed to be true; or imprisonment, or or imprison or any patent Arlington, VA of (of the same Trademark Office es T. Hosmer,
I hereby d and furthe both, und issued the 22201-47 address) connecte 30184; R	leclare that all statements were section 1001 of Title 18 ereon. And on behalf of the 14. telephone number (old the 14. the section and the section of the therewith and with the reobert W. Faris, 21352; Richard 18.	vere made with the knowledg 8 of the United States Code: ne owner(s) hereof, I hereby 703) 816-4000 (to whom al by owner's/owners' attorneys esulting patent: Arthur R. C chard G. Besha, 22770; Mar	wledge are true and that all stater e that willful false statements and and that such willful false statem appoint NIXON & VANDERHYE I communications are to be dit to prosecute this application and rawford, 25327; Larry S. Nixon, 2 k E. Nusbaum, 32348; Michael J	the like so made ents may jeopardiz P.C., 1100 North ected), and the fo to transact all bus 5640; Robert A. V. Keenan, 32106;	are punish te the valid Glebe Ro Blowing att iness in the anderhye, Bryan H. I	and belief are nable by fine dity of the app d., 8 th Floor, torneys there the Patent and 27076; Jam Davidson, 30	believed to be true; or imprisonment, or olication or any patent Arlington, VA of (of the same Trademark Office es T. Hosmer, 251: Stanley C.
I hereby of and furthe both, und issued the 2201-47 address) connecte 30184; R. Spooner,	leclare that all statements were stated these statements were Section 1001 of Title 18 ereon. And on behalf of the 14, telephone number (7 individually and collectively disherewith and with the reobert W. Faris, 31352; Ric 27393; Leonard C. Mitche	vere made with the knowledg 8 of the United States Code ne owner(s) hereof, I hereby 703) 816-4000 (to whom al y owner's/owners' attorneys esulting patent: Arthur R. C chard G. Besha, 22770; Mar ard, 29009; Duane M. Byers	wledge are true and that all stater e that willful false statements and and that such willful false statem appoint NIXON & VANDERHYE I communications are to be dit to prosecute this application and rawford, 25327; Larry S. Nixon, 2 k E. Nusbaum, 32348; Michael J. 33363; Jeffry H. Nelson, 30481	the like so made ents may jeopardia P.C., 1100 North ected), and the fo to transact all bus 5640; Robert A. V. Keenan, 32106; John R. Lästova,	are punish te the valid Glebe Ro Blowing att iness in th anderhye, Bryan H. I 33149; H	and belief are nable by fine of the app dings of the app	believed to be true; or imprisonment, or olication or any patent Arlington, VA of (of the same Trademark Office es T. Hosmer, 251; Stanley C. nam, Jr. 29366;
I hereby dand further both, und issued the 2201-47 address) connected 30184; R. Spooner, Thomas I Berquist,	leclare that all statements were that these statements were Section 1001 of Title 18 ereon. And on behalf of the 14, telephone number (7 individually and collectively ditherewith and with the rebert W. Faris, 31352; Ric 27393; Leonard C. Mitcha E. Byrne, 32205_Mary J. V. 34776; Updeep S. Gill, 37	vere made with the knowledg 8 of the United States Code in ne owner(s) hereof, I hereby 703) 816-4000 (to whom all by owner's/owners' attorneys esulting patent: Arthur R. C chard G. Besha, 22770; Mar ard, 29009; Duane M. Byers Wilson, 32955; J. Scott Davi 7334; Michael J. Shea, 3472	wiedge are true and that all stater e that willful false statements and and that such willful false statem appoint NIXON & VANDERHYE I communications are to be dit to prosecute this application and rawford, 25327; Larry S. Nixon, 2 k E. Nusbaum, 32348; Michael J., 33363; Jeffry H. Nelson, 30481; Gson, 33489; Alan M. Kagen, 365; Donald L. Jackson, 41090; Missing et al., 41090; Missing et	the like so made ents may jeopardiz P.C., 1100 North ected), and the fo to transact all bus 5640; Robert A. V. Keenan, 32106; John R. Lastova, [76; Robert A. Mo chelle N. Lester, 3	are punished the valided to the valided to the valided to the value of	and belief are nable by fine of lifty of the app. 1. 8 th Floor. tomeys there he Patent and 27076. Jam Davidson, 30 the B. J. Sadofink P. Presta.	believed to be true; or imprisonment, or oblication or any patent Artington, VA of (of the same Trademark Office es T. Hosmer, 251; Stanley C. nam, Jr. 29366; ff, 36663; James D. 19828; Joseph S.
I hereby dand furthe both, und issued the 2201-47 address) connecte 30184; R. Spooner, Thomas I Berquist, Presta, 3	leclare that all statements were that these statements were Section 1001 of Title 18 ereon. And on behalf of the 14, telephone number (7 individually and collectively ditherewith and with the rebert W. Faris, 31352; Ric 27393; Leonard C. Mitcha E. Byrne, 32205_Mary J. V. 34776; Updeep S. Gill, 376329 Talso authorize Nixo	vere made with the knowledg 8 of the United States Code in he owner(s) hereof, I hereby 703) 816-4000 (to whom all by owner's/owners' attorneys esulting patent: Arthur R. C chard G. Besha, 22770; Mar ard, 29009; Duane M. Byers Wilson, 32955; J. Scott Davi 7334; Michael J. Shea, 3472 on & Vanderhye to delete any	wiedge are true and that all stater e that willful false statements and and that such willful false statem appoint NIXON & VANDERHYE I communications are to be di to prosecute this application and rawford, 25327; Larry S. Nixon, 2 k E. Nusbaum, 32348; Michael J , 33363; Jeffry H. Nelson, 30481; dson, 33489; Alan M. Kagen, 36 5; Donald L. Jackson, 41090; Mi y attorney names/numbers no lon	the like so made ents may jeopardiz P.C., 1100 North ected), and the fot transact all bus 5640; Robert A. V. Keenan, 32106; John R. Lastova, 176; Robert A. Mochelle N. Lester, 3 ger with the firm a ger with the firm a	are punish te the valid Glebe Ro bllowing att iness in th anderhye, Bryan H. I 33149; H. lan, 29834 2331; Fraind to act a	and belief are nable by fine of the app 1. 8 th Floor. torneys there he Patent and 27076: Jam Davidson, 30 . Warren Bur hi, B. J. Sadofink P. Presta, and rely solely	believed to be true; or imprisonment, or oblication or any patent Arlington, VA of (of the same Trademark Office es T. Hosmer, 251; Stanley C. nam, Jr. 29366; ff, 36663; James D. 19828; Joseph S. on instructions
I hereby dand furthe both, und issued the 2201-47 address) connecte 30184; R. Spooner, Thomas I Berquist, Presta, 3	leclare that all statements were that these statements were Section 1001 of Title 18 ereon. And on behalf of the 14, telephone number (7 individually and collectively ditherewith and with the rebert W. Faris, 31352; Ric 27393; Leonard C. Mitcha E. Byrne, 32205_Mary J. V. 34776; Updeep S. Gill, 376329 Talso authorize Nixo	vere made with the knowledg 8 of the United States Code in he owner(s) hereof, I hereby 703) 816-4000 (to whom all by owner's/owners' attorneys esulting patent: Arthur R. C chard G. Besha, 22770; Mar ard, 29009; Duane M. Byers Wilson, 32955; J. Scott Davi 7334; Michael J. Shea, 3472 on & Vanderhye to delete any	wiedge are true and that all stater e that willful false statements and and that such willful false statem appoint NIXON & VANDERHYE I communications are to be dit to prosecute this application and rawford, 25327; Larry S. Nixon, 2 k E. Nusbaum, 32348; Michael J., 33363; Jeffry H. Nelson, 30481; Gson, 33489; Alan M. Kagen, 365; Donald L. Jackson, 41090; Missing et al., 41090; Missing et	the like so made ents may jeopardiz P.C., 1100 North ected), and the fot transact all bus 5640; Robert A. V. Keenan, 32106; John R. Lastova, 176; Robert A. Mochelle N. Lester, 3 ger with the firm a ger with the firm a	are punish te the valid Glebe Ro bllowing att iness in th anderhye, Bryan H. I 33149; H. lan, 29834 2331; Fraind to act a	and belief are nable by fine of the app 1. 8 th Floor. torneys there he Patent and 27076: Jam Davidson, 30 . Warren Bur hi, B. J. Sadofink P. Presta, and rely solely	believed to be true; or imprisonment, or oblication or any patent Arlington, VA of (of the same Trademark Office es T. Hosmer, 251; Stanley C. nam, Jr. 29366; ff, 36663; James D. 19828; Joseph S. on instructions
I hereby dand furthe both, und issued the 2201-47 address) connecte 30184; R. Spooner, Thomas I Berquist, Presta, 3	leclare that all statements were Section 1001 of Title 18 ereon. And on behalf of the 14, telephone number (individually and collectively different with the respect to the 18 of 18	vere made with the knowledg 8 of the United States Code ne owner(s) hereof, I hereby 703) 816-4000 (to whom al by owner's/owners' attorneys esulting patent: Arthur R. C chard G. Besha, 22770; Mar ard, 29009; Duane M. Byers Wilson, 32955; J. Scott Davi 7334; Michael J. Shea, 3472 on & Vanderhye to delete any rson, assignee, attorney, firm	wiedge are true and that all stater e that willful false statements and and that such willful false statem appoint NIXON & VANDERHYE I communications are to be dit to prosecute this application and rawford, 25327; Larry S. Nixon, 2 k E. Nusbaum, 32348; Michael J. 33363; Jeffry H. Nelson, 30481 dson, 33489; Alan M. Kagen, 36, 5; Donald L. Jackson, 41090; Miy attorney names/numbers no lon, or other organization sending in	the like so made ents may jeopardiz P.C., 1100 North ected), and the fot transact all bus 5640; Robert A. V. Keenan, 32106; John R. Lastova, 176; Robert A. Mochelle N. Lester, 3 ger with the firm a ger with the firm a	are punished the valided the valided to the valided the value of the v	and belief are nable by fine of the application of	believed to be true; or imprisonment, or oblication or any patent Arlington, VA of (of the same Trademark Office es T. Hosmer, 251; Stanley C. nam, Jr. 29366; ff, 36663; James D. 19828; Joseph S. v on instructions alf of the owner(s).
I hereby dand furthe both, und issued the 2201-47 address) connecte 30184; R. Spooner, Thomas I Berquist, Presta, 3	leclare that all statements were that these statements were Section 1001 of Title 18 ereon. And on behalf of the 14, telephone number (7 individually and collectively ditherewith and with the rebert W. Faris, 31352; Ric 27393; Leonard C. Mitcha E. Byrne, 32205_Mary J. V. 34776; Updeep S. Gill, 376329 Talso authorize Nixo	vere made with the knowledg 8 of the United States Code ne owner(s) hereof, I hereby 703) 816-4000 (to whom al by owner's/owners' attorneys esulting patent: Arthur R. C chard G. Besha, 22770; Mar ard, 29009; Duane M. Byers Wilson, 32955; J. Scott Davi 7334; Michael J. Shea, 3472 on & Vanderhye to delete any rson, assignee, attorney, firm	wiedge are true and that all stater e that willful false statements and and that such willful false statem appoint NIXON & VANDERHYE I communications are to be di to prosecute this application and rawford, 25327; Larry S. Nixon, 2 k E. Nusbaum, 32348; Michael J , 33363; Jeffry H. Nelson, 30481; dson, 33489; Alan M. Kagen, 36 5; Donald L. Jackson, 41090; Mi y attorney names/numbers no lon	the like so made ents may jeopardia P.C., 1100 North feeted), and the foto transact all bus 5640; Robert A. V. Keenan, 32106; John R. Lastova, 178; Robert A. Mochelle N. Lester, 3 ger with the firm a structions to Nixo	are punish te the valid Glebe Ro bllowing att iness in th anderhye, Bryan H. I 33149; H. lan, 29834 2331; Fraind to act a	and belief are nable by fine of the application of	believed to be true; or imprisonment, or olication or any patent Arlington, VA of (of the same Trademark Office es T. Hosmer, 251; Stanley C. mam, Jr. 29366; f, 36663; James D. 19828; Joseph S. on instructions alf of the owner(s).
I hereby dand furthe both, und issued the 2201-47 address) connecte 30184; R. Spooner, Thomas I Berquist, Presta, 3	leclare that all statements were section 1001 of Title 18 ereon. And on behalf of the 14, telephone number (7 individually and collectively discovered to the reobert W. Faris, 31352; Ric 27393; Leonard C. Mitches. Byrne, 32205; Mary J. V. 34776; Updeep S. Gill, 376329. I also authorize Niccommunicated from the per Inventor's Signature: Inventor:	vere made with the knowledg 8 of the United States Code in e owner(s) hereof, I hereby 703) 816-4000 (to whom all y owner's/owners' attorneys esulting patent: Arthur R. C chard G. Besha, 22770; Marard, 29009; Duane M. Byers Wilson, 32955; J. Scott David 7334; Michael J. Shea, 3472 on & Vanderhye to delete any rson, assignee, attorney, firm Hiroshi (first)	wiedge are true and that all stater e that willful false statements and and that such willful false statem appoint NIXON & VANDERHYE I communications are to be dit to prosecute this application and rawford, 25327; Larry S. Nixon, 2 k E. Nusbaum, 32348; Michael J. 33363; Jeffry H. Nelson, 30481 dson, 33489; Alan M. Kagen, 36, 5; Donald L. Jackson, 41090; Miy attorney names/numbers no lond, or other organization sending in the state of the state	the like so made ents may jeopardia P.C., 1100 North ected), and the foto transact all bus 5640; Robert A. V. Keenan, 32106; John R. Lastova, 178; Robert A. Mochelle N. Lester, 3 ger with the firm a structions to Nixo OHTA (last)	are punished the valided the valided to the valided the value of the v	and belief are nable by fine of the application of	believed to be true; or imprisonment, or oblication or any patent Arlington, VA of (of the same Trademark Office es T. Hosmer, 251; Stanley C. nam, Jr. 29366; ff, 36663; James D. 19828; Joseph S. v on instructions alf of the owner(s).
I hereby dand furthe both, und issued the 2201-47 address) connecte 30184; R. Spooner, Thomas I Berquist, Presta, 3	declare that all statements were section 1001 of Title 18 ereon. And on behalf of the 14, telephone number (7 individually and collectively dispersion of the 14 the reobert W. Faris, 31352; Ric 27393; Leonard C. Mitche E. Byrne, 32205; Mary J. V. 34776; Updeep S. Gill, 376329. I also authorize Nixommunicated from the per Inventor's Signature: Inventor:	vere made with the knowledg 8 of the United States Code ne owner(s) hereof, I hereby 703) 816-4000 (to whom al by owner's/owners' attorneys resulting patent: Arthur R. C chard G. Besha, 22770; Mar ard, 29009; Duane M. Byers Wilson, 32955; J. Scott Davi 7334; Michael J. Shea, 3472 on & Vanderhye to delete an rson, assignee, attorney, firm Hiroshi (first) Takatsuki-shi	wiedge are true and that all stater e that willful false statements and and that such willful false statem appoint NIXON & VANDERHYE I communications are to be di to prosecute this application and rawford, 25327; Larry S. Nixon, 2 k E. Nusbaum, 32348; Michael J. 33363; Jeffry H. Nelson, 30481 dson, 33489; Alan M. Kagen, 36 5; Donald L. Jackson, 41090; Mi y attorney names/numbers no lon n, or other organization sending in S. M. W. (state/o	the like so made ents may jeopardiz P.C., 1100 North ected), and the fot transact all bus 5640; Robert A. V. Keenan, 32106; John R. Lastova, 178; Robert A. Mochelle N. Lester, 3 ger with the firm a structions to Nixo OHTA (last) ountry) Osaka	are punished the valided the valided to the valided the value of the v	and belief are nable by fine of the application of	believed to be true; or imprisonment, or olication or any patent Arlington, VA of (of the same Trademark Office es T. Hosmer, 251; Stanley C. nam, Jr. 29366; ff, 36663; James D. 19828; Joseph S. on instructions alf of the owner(s).
I hereby de and fuithe both, und issued the 2201-47 address) connecte 30184; R. Spooner, Thomas I Berquist, Presta, 3	leclare that all statements wer Section 1001 of Title 18 ereon. And on behalf of the 14. telephone number (individually and collectively different with the respective of the rewith and rewith a state of the rewit	vere made with the knowledg 8 of the United States Code ne owner(s) hereof, I hereby 703) 816-4000 (to whom al by owner's/owners' attorneys sesulting patent: Arthur R. C chard G. Besha, 22770; Mar ard, 29009; Duane M. Byers Wilson, 32955; J. Scott Davi 7334; Michael J. Shea, 3472 on & Vanderhye to delete an rson, assignee, attorney, firm Hiroshi (first) Takatsuki-shi 24-2-202, Seifukuji-cho, T	wiedge are true and that all stater e that willful false statements and and that such willful false statem appoint NIXON & VANDERHYE I communications are to be dit to prosecute this application and rawford, 25327; Larry S. Nixon, 2 k E. Nusbaum, 32348; Michael J. 33363; Jeffry H. Nelson, 30481 dson, 33489; Alan M. Kagen, 36, 5; Donald L. Jackson, 41090; Miy attorney names/numbers no lond, or other organization sending in the state of the state	the like so made ents may jeopardiz P.C., 1100 North ected), and the fot transact all bus 5640; Robert A. V. Keenan, 32106; John R. Lastova, 178; Robert A. Mochelle N. Lester, 3 ger with the firm a structions to Nixo OHTA (last) ountry) Osaka	are punishe the valid Glebe Ro Glebe Ro Browning attiness in the anderhye, Bryan H. I 33149; H. I lan, 29834 2331; Fraind to act a n & Vande	and belief are nable by fine of the application of	believed to be true; or imprisonment, or olication or any patent Arlington, VA of (of the same Trademark Office es T. Hosmer, 251; Stanley C. nam, Jr. 29366; ff, 36663; James D. 19828; Joseph S. on instructions alf of the owner(s).
I hereby de and fuithe both, und issued the 2201-47 address) connecte 30184; R. Spooner, Thomas I Berquist, Presta, 3	declare that all statements were section 1001 of Title 18 ereon. And on behalf of the 14, telephone number (7 individually and collectively dispersion of the 14 the reobert W. Faris, 31352; Ric 27393; Leonard C. Mitche E. Byrne, 32205; Mary J. V. 34776; Updeep S. Gill, 376329. I also authorize Nixommunicated from the per Inventor's Signature: Inventor:	vere made with the knowledg 8 of the United States Code ne owner(s) hereof, I hereby 703) 816-4000 (to whom al by owner's/owners' attorneys resulting patent: Arthur R. C chard G. Besha, 22770; Mar ard, 29009; Duane M. Byers Wilson, 32955; J. Scott Davi 7334; Michael J. Shea, 3472 on & Vanderhye to delete an rson, assignee, attorney, firm Hiroshi (first) Takatsuki-shi	wiedge are true and that all stater e that willful false statements and and that such willful false statem appoint NIXON & VANDERHYE I communications are to be di to prosecute this application and rawford, 25327; Larry S. Nixon, 2 k E. Nusbaum, 32348; Michael J. 33363; Jeffry H. Nelson, 30481 dson, 33489; Alan M. Kagen, 36 5; Donald L. Jackson, 41090; Mi y attorney names/numbers no lon n, or other organization sending in S. M. W. (state/o	the like so made ents may jeopardiz P.C., 1100 North ected), and the fot transact all bus 5640; Robert A. V. Keenan, 32106; John R. Lastova, 178; Robert A. Mochelle N. Lester, 3 ger with the firm a structions to Nixo OHTA (last) ountry) Osaka	are punishe the valid Glebe Ro Glebe Ro Browning attiness in the anderhye, Bryan H. I 33149; H. I lan, 29834 2331; Fraind to act a n & Vande	and belief are nable by fine of the application of	believed to be true; or imprisonment, or olication or any patent Arlington, VA of (of the same Trademark Office es T. Hosmer, 251; Stanley C. nam, Jr. 29366; ff, 36663; James D. 19828; Joseph S. on instructions alf of the owner(s).
I hereby de and fuithe both, und issued the 2201-47 address) connecte 30184; R. Spooner, Thomas I Berquist, Presta, 3	leclare that all statements were Section 1001 of Title 18 ereon. And on behalf of the 14. telephone number (individually and collectively different with the resolvent W. Faris, 31352; Ric 27393; Leonard C. Mitchas. Byrne, 32205. Mary J. W. 34776; Updeep S. Gill, 373329. I also authorize Nixon municated from the per Inventor's Signature: Inventor: Residence: (city) Post Office Address: (Zip Code)	vere made with the knowledg 8 of the United States Code in e owner(s) hereof, I hereby 703) 816-4000 (to whom all y owner's/owners' attorneys esulting patent: Arthur R. C. chard G. Besha, 22770; Marard, 29009; Duane M. Byers Wilson, 32955; J. Scott Davi 7334; Michael J. Shea, 3472 on & Vanderhye to delete any rson, assignee, attorney, firm Hiroshi (first) Takatsuki-shi 24-2-202, Seifukuji-cho, T 569-1132	wledge are true and that all stater e that willful false statements and and that such willful false statem appoint NIXON & VANDERHYE I communications are to be dit to prosecute this application and rawford, 25327; Larry S. Nixon, 2 k E. Nusbaum, 32348; Michael J. 33363; Jeffry H. Nelson, 30481 dson, 33489; Alan M. Kagen, 36, 5; Donald L. Jackson, 41090; Miy attorney names/numbers no lond, or other organization sending in SALL CALLER	the like so made ents may jeopardiz P.C., 1100 North ected), and the fot transact all bus 5640; Robert A. V. Keenan, 32106; John R. Lastova, 178; Robert A. Mochelle N. Lester, 3 ger with the firm a structions to Nixo OHTA (last) ountry) Osaka	are punishe the valided less in the fanderhye, Bryan H. I 33149; H lan, 29834; Fraind to act an & Vande Date:	and belief are nable by fine of the application of	believed to be true; or imprisonment, or oblication or any patent Arlington, VA of (of the same Trademark Office es T. Hosmer, 251; Stanley C. nam, Jr. 29366; ff, 36663; James D. 19828; Joseph S. von instructions alf of the owner(s). 1, 2002 Japanese (citizenship)
I hereby de la control de la c	leclare that all statements wer Section 1001 of Title 18 ereon. And on behalf of the 14. telephone number (individually and collectively different with the respective of the rewith and rewith a state of the rewit	vere made with the knowledg 8 of the United States Code in e owner(s) hereof, I hereby 703) 816-4000 (to whom all y owner's/owners' attorneys seulting patent: Arthur R. C chard G. Besha, 22770; Marard, 29009; Duane M. Byers Wilson, 32955; J. Scott Davi 7334; Michael J. Shea, 3472 on & Vanderhye to delete any son, assignee, attorney, firm Hiroshi (first) Takatsuki-shi 24-2-202, Seifukuji-cho, T 569-1132	wiedge are true and that all stater e that willful false statements and and that such willful false statem appoint NIXON & VANDERHYE I communications are to be di to prosecute this application and rawford, 25327; Larry S. Nixon, 2 k E. Nusbaum, 32348; Michael J. 33363; Jeffry H. Nelson, 30481 dson, 33489; Alan M. Kagen, 36 5; Donald L. Jackson, 41090; Mi y attorney names/numbers no lon n, or other organization sending in S. M. W. (state/o	the like so made ents may jeopardia P.C., 1100 North ected), and the fot transact all bus 5640; Robert A. V. Keenan, 32106; John R. Lastova, 178; Robert A. Mochelle N. Lester, 3 ger with the firm a structions to Nixo OHTA (last) ountry) Osaka upan	are punishe the valid Glebe Ro Glebe Ro Browning attiness in the anderhye, Bryan H. I 33149; H. I lan, 29834 2331; Fraind to act a n & Vande	and belief are nable by fine of the application of	believed to be true; or imprisonment, or olication or any patent Arlington, VA of (of the same Trademark Office es T. Hosmer, 251; Stanley C. nam, Jr. 29366; ff, 36663; James D. 19828; Joseph S. on Instructions alf of the owner(s). 1, 2002 Japanese (citizenship)
I hereby de la control de la c	leclare that all statements were Section 1001 of Title 18 ereon. And on behalf of the 14. telephone number (7 individually and collectively discovered the section 1001 of Title 18 ereon. And on behalf of the 14. telephone number (7 individually and collectively 14 the 15 individually and collectively 15 individually 15 indivi	vere made with the knowledg 8 of the United States Code in e owner(s) hereof, I hereby 703) 816-4000 (to whom all y owner's/owners' attorneys esulting patent: Arthur R. C. chard G. Besha, 22770; Marard, 29009; Duane M. Byers Wilson, 32955; J. Scott Davi 7334; Michael J. Shea, 3472 on & Vanderhye to delete any rson, assignee, attorney, firm Hiroshi (first) Takatsuki-shi 24-2-202, Seifukuji-cho, T 569-1132	wledge are true and that all stater e that willful false statements and and that such willful false statem appoint NIXON & VANDERHYE I communications are to be dit to prosecute this application and rawford, 25327; Larry S. Nixon, 2 k E. Nusbaum, 32348; Michael J. 33363; Jeffry H. Nelson, 30481 dson, 33489; Alan M. Kagen, 36, 5; Donald L. Jackson, 41090; Miy attorney names/numbers no lond, or other organization sending in SALL CALLER	the like so made ents may jeopardiz P.C., 1100 North ected), and the fot transact all bus 5640; Robert A. V. Keenan, 32106; John R. Lastova, 178; Robert A. Mochelle N. Lester, 3 ger with the firm a structions to Nixo OHTA (last) ountry) Osaka	are punishe the valided less in the fanderhye, Bryan H. I 33149; H lan, 29834; Fraind to act an & Vande Date:	and belief are nable by fine of the application of	believed to be true; or imprisonment, or oblication or any patent Arlington, VA of (of the same Trademark Office es T. Hosmer, 251; Stanley C. nam, Jr. 29366; ff, 36663; James D. 19828; Joseph S. von instructions alf of the owner(s). 1, 2002 Japanese (citizenship)
I hereby de la control de la c	leclare that all statements were section 1001 of Title 18 ereon. And on behalf of the 14, telephone number (7 individually and collectively dispersion of the 14 telephone number (8 individually and collectively 14 telephone number (8 individually and collectively 15 individually and collectively 15 individually and collectively 16 individually and collectively 16 individually and collectively 18 individually and collectively 18 individually and collectively 18 individually	vere made with the knowledg 8 of the United States Code ne owner(s) hereof, I hereby 703) 816-4000 (to whom al y owner's/owners' attorneys esulting patent: Arthur R. C chard G. Besha, 22770; Mar ard, 29009; Duane M. Byers Wilson, 32955; J. Scott Davi 7334; Michael J. Shea, 3472 on & Vanderhye to delete an rson, assignee, attorney, firm Hiroshi (first) Takatsuki-shi 24-2-202, Seifukuji-cho, T 569-1132 Vasuhiro (first) Osaka-Shi	wledge are true and that all stater e that willful false statements and and that such willful false statem appoint NIXON & VANDERHYE I communications are to be di to prosecute this application and rawford, 25327; Larry S. Nixon, 2 , 33363; Jeffry H. Nelson, 30481 dson, 33489; Alan M. Kagen, 36 5; Donald L. Jackson, 41090; Mi y attorney names/numbers no lon n, or other organization sending in school of the communication of the	the like so made ents may jeopardiz P.C., 1100 North ected), and the fot transact all bus 5640; Robert A. V. Keenan, 32106; John R. Lastova, 176; Robert A. Mochelle N. Lester, 3 ger with the firm a structions to Nixo OHTA (last) ountry) Osaka pan OKA (last) ountry) Osaka	are punishe the valided less in the fanderhye, Bryan H. I 33149; H lan, 29834; Fraind to act an & Vande Date:	and belief are nable by fine of the application of	believed to be true; or imprisonment, or olication or any patent Arlington, VA of (of the same Trademark Office es T. Hosmer, 251; Stanley C. nam, Jr. 29366; ff, 36663; James D. 19828; Joseph S. on instructions alf of the owner(s). 1, 2002 Japanese (citizenship)
I hereby de la control de la c	leclare that all statements were Section 1001 of Title 18 ereon. And on behalf of the 14. telephone number (7 individually and collectively discovered the section 1001 of Title 18 ereon. And on behalf of the 14. telephone number (7 individually and collectively 14 the 15 individually and collectively 15 individually 15 indivi	vere made with the knowledg 8 of the United States Code ne owner(s) hereof, I hereby 703) 816-4000 (to whom al y owner's/owners' attorneys esulting patent: Arthur R. C chard G. Besha, 22770; Mar ard, 29009; Duane M. Byers Wilson, 32955; J. Scott Davi 7334; Michael J. Shea, 3472 on & Vanderhye to delete an rson, assignee, attorney, firm Hiroshi (first) Takatsuki-shi 24-2-202, Seifukuji-cho, T 569-1132 Vasuhiro (first) Osaka-Shi	wledge are true and that all stater e that willful false statements and and that such willful false statem appoint NIXON & VANDERHYE I communications are to be di to prosecute this application and rawford, 25327; Larry S. Nixon, 2 k E. Nusbaum, 32348; Michael J. 33363; Jeffry H. Nelson, 30481 dson, 33489; Alan M. Kagen, 36 5; Donald L. Jackson, 41090; Mi y attorney names/numbers no lon n, or other organization sending in White MI (state/of akatsuki-shi, Osaka 569-1132 Ja	the like so made ents may jeopardiz P.C., 1100 North ected), and the fot transact all bus 5640; Robert A. V. Keenan, 32106; John R. Lastova, 176; Robert A. Mochelle N. Lester, 3 ger with the firm a structions to Nixo OHTA (last) ountry) Osaka pan OKA (last) ountry) Osaka	are punishe the valid Glebe Rollowing attempts in the anderhye, Bryan H. I 33149; H. Ian, 29834 2331; Fraind to act an & Vande Date: Date: Date:	and belief are nable by fine of the application of	believed to be true; or imprisonment, or olication or any patent Arlington, VA of (of the same Trademark Office es T. Hosmer, 251; Stanley C. nam, Jr. 29366; ff, 36663; James D. 19828; Joseph S. on instructions alf of the owner(s). 1, 2002 Japanese (citizenship)

FOR ADDITIONAL INVENTORS, check box $\ \square$ and attach sheet with same information and signature and date for each.